SBR No 31/14-15
DATED 26-12-14

EE/ELE/Y/BR.No. 31/14-15
Date..... Dt. 27-12-14

Original/Duplicate/ Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **First and final**

Division: **Electricals**

Sub-Division: **Electricals**

Bill Received No. Dated Divisional / Sub Divisional

Cash Book Voucher No..... Dated.....

Job Code –001-13-000052

Schedule Docket No. Head of Account : P 0298:- (M&R to Electrical Installations

D.R.No. :

Name of Work: *Shifting of High mast and tubular Poles from IAP Road to Yelahanka constituency ward 1 to 4*

Name of Contractor and Full Address: *M/S. Sri Lakshmi Narasimha Electricals*

Reference to Agreement No.EE/Elect/YZ/WO/ 03 /2014-15 Date:11-12-2014

Certified that the measurements were taken by me on 26.12.14 and recorded of Pages 310307 to 310315 of measurement Book No. / 3104 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on ..26.12.14..and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill =	H.33.986=00 ✓
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1%	H3H0=00
3)	" Balance	VAT H%	17359=00.
4)	Deduct Payment:	FBD 5%	21.699=00.
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	Amount	
		Lwc 1%	H3H0=00
	b) Payments Now made } cost store or other material supplied.	CBFD,1%	H3H=00
	recovery of amount creditable to this/other work	Total deductions	H8,172=00 ✓
	Amount paid on this bill Cheque / Cash.	cheque =	3.85.8IH=00
5)	Balance being unpaid value of work done held in reserve.		
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7)	Net amount due to or from Contractor unadjustments items.		
8)	Advance to Contractor for materials brought to site (as detailed) within.		
9)	Value of Government materials supplied.		
	Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ P-0298. M&R to Electrical,
ರೂ. H33986=00 ಅಂಕಿ ಮೂಲಕ ಸ್ವೀಕರಿಸಿದೆ
ರೂ. 3,85,8IH=00 ಮೊತ್ತ ನೀಡಬೇಕಾಗಿದೆ
ರೂ. H8,172=00 ಮೊತ್ತವನ್ನು ಪಾವತಿಸಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Unit
1	Supplying of light Emitting Diode (LED) street light fittings fabricated with die cast alluminimum base with suitable heat sink for heat dissipation ,the fitting should comprise efficient electronic driver & LED's (with 100-120 Lumens/LED) Completely wired to operate on 230V 50Hz AC supply, (Certificate for driver performance & LED lumens output LM 80 should be furnished) cree/nichia/osram make optically designed high efficiency LED lights should be used polycarbonate transparent cover with IP-66 protection. (INCLUDING 50000 Burning Hours) [Alloy ML-24]II Group B A) 24 Watts	Each
2	Supplying & fixing ...mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole. using suitable clamps bolts, nuts and wiring using suitable capacity wires etc complete .c) Using 40mm dia G.I pipe	Each
3	Digging of pits 1.5 mtr depth for errection of of 7.5/8 mtr Long steel/RCC/PSC/PCC supports Hard soil	Per Pit
4	Concrete Works Providing cement concrete to poles and guysets with material and labour including necessary curing etc., comlpete (cost does not include excavation) c) Providing coping for pole with CC1:2:4 (as per actuals)	Each
5	Errection of Poles : Releasing and Re-Errection of Steel supports 9.0 to 10.00 mtr long such as 22.68 kg (50 lbs) Rail, I beam of sizes 200 X 100 mm, 175X 90 mm , 125 X 100 mm, Fabricated poles, tubular poles in pits of 1.8 mtr Depth, aligning, refilling with soil	Nos
6	Street Light and other Works Releasing and Fixing of mercury Vapour lamp fitting /Ornamental light fitting with Control Boxes etc	Set
7	Supplying and fixing Microprocessor based Astronomical timer switch with using necessary bolts, nuts and washers etc.,	Each
8	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. b) 40-63 Amps SP 1) Group 'A'	Each
9	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.c) 60-70 Amps	Each
10	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	Rmtr
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole b) Above 5.5 to 7.5 Mtr. Street light pole	Nos
12	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable d) 4 core 16sqmm	Per Mtr
13	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. a) 6sqmm to 16 sqmm	Rmtr
14	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	Rmtr
15	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	Per Mtr
16	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class . a. 40 mm	Rmtr
17	Supplying and fixing of HPSV lamps on existing fitting mounted on tubular pole c)250 Watts	No
	Supplying and fixing/replacement of ignitor suitable for 70 to 400 watts SV/MH fittings a) Group A	No
	Supply and fixing of 400 Watts heavy duty open construction ferromagnetic copper ballast for HPMH lamps c)250 Watts	No
18	Casting of suitable foundation for the Octagonal Pole including designing and cost of all materials like Anchor plates,Template and washers labour charges, all other incidental charges etc,. complete as per specification	Each
19	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11	Day
20	Hire Charges Components for Crane Charges ,Sl no 66, Page No XXXVI, KPWD SR CIVIL 2010-12	Day
21	Supplying and Fixing 4 Nos of 590 mm length High Yield Tensile Cold Rolled Pitched threads (680 N/sq mm) 27 mm Bolt dia	Nos
22	LT 3 phase 5 wire Aerial Bunched Cable of size 3X25+1X16+1X25+1X35 sqmm	P/Mtr
23	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (3X 50 Sq mm + 1X 16 sqmm + 1X 50 Sqmm + 1X 35 sqmm) 2.(3 X95) (for phase Conductor)+ (1X 50)(insulated messanger neutral)+(1X16)	P/Mtr
24	Piercing connector suitable 16 Sqmm - 95 Sqmm AB cable service connections	Nos
25	Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger	Nos
26	suspension clamp assemblly 25 to 95 sqmm bear messanger	Nos
27	Errection of suspension clamp 25 to 95 sqmm bear messanger	Nos
28	Errection of Anchor clamp 25 to 95 sqmm bear messanger	Nos
29	Istallation of insulation piercing connector for main to street light Main: 16 -95 sqmm,Tap: 1.5-10 sqmm (EP 95)	Nos
	TOTAL	

Certificate:- 1. The Above said Work has been carriedout satisfactorily

2. Amount Claimed in this bill has not been claimed in any of the previous bill

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
0	0.00	9	5800.00	52200.00	9	52200.00	
0	0.00	9	935.00	8415.00	9	8415.00	
0	0.00	9	529.00	4761.00	9	4761.00	
0	0.00	9	200.00	1800.00	9	1800.00	
0	0.00	9	292.60	2633.40	9	2633.40	
0	0.00	9	425.60	3830.40	9	3830.40	
0	0.00	2	7515.00	15030.00	2	15030.00	
0	0.00	2	370.00	740.00	2	740.00	
0	0.00	2	3865.00	7730.00	2	7730.00	
0	0.00	4	240.00	960.00	4	960.00	
0	0.00	9	360.00	3240.00	9	3240.00	
0	0.00	317	150.00	47550.00	317	47550.00	
0	0.00	317	8.00	2536.00	317	2536.00	
0	0.00	280	50.00	14000.00	280	14000.00	
0	0.00	310	25.00	7750.00	310	7750.00	
0	0.00	9.2	240.00	2208.00	9.2	2208.00	
0	0.00	21	809.00	16989.00	21	16989.00	
0	0.00	21	520.00	10920.00	21	10920.00	
0	0.00	21	1185.00	24885.00	21	24885.00	
0	0.00	21	4929.74	103524.54	21	103524.54	
0	0.00	2	2240.00	4480.00	2	4480.00	
0	0.00	3	3200.00	9600.00	3	9600.00	
0	0.00	20	1350.00	27000.00	20	27000.00	
0	0.00	880	81.45	71676.00	880	71676.00	
0	0.00	880	8.96	7884.80 ✓ 7885.68	880	7884.80 7885.68	
0	0.00	58	210.00	12180.00	58	12180.00	
0	0.00	2	140.00	280.00	2	280.00	
0	0.00	28	280.00	7840.00	28	7840.00	
0	0.00	28	85.00	2380.00	28	2380.00	
0	0.00	2	85.00	170.00	2	170.00	
0	0.00	56	40.00	2240.00	56	2240.00	
0	**0.00**			H77H33.14 477434.02		477434.02	H77H33.14
Since Quoted 9.10 % below Subtract T.P @			-9.1	-43446.50	H3HH6.H1	-43446.50	H3HH6,H1
				433994.00		433994.00	

H33986,73, H33986,73